

ABSTRACT

A device for the extracorporeal treatment of blood comprising at least one exchanger (1) comprising a semi-permeable membrane (6) dividing said exchanger into a first chamber (7) and a second chamber (8), at least one first inlet (2) for blood to be treated being in fluid communication with the first chamber (7) of the exchanger, a first fluid outlet (4) being in fluid communication with the first chamber (7) of the exchanger and a second fluid outlet (5) being in fluid communication with the second chamber (8) of the exchanger, an input line (10) for blood to be treated connected to the first inlet (2) of the exchanger (1), a blood output line (11) connected to the first outlet (4) of the exchanger (1), at least one treatment unit (21) comprising a semi-permeable membrane (26) dividing the treatment unit (21) into a first chamber (27) and a second chamber (28), at least one first fluid inlet (22) being in fluid communication with the second chamber (28) of the treatment unit (21) and at least one first fluid outlet (24) being in fluid communication with the first chamber (27) of the treatment unit (21), the second outlet (5) of the exchanger (1) being in fluid communication with the first inlet (22) of the treatment unit (21), the first outlet (24) of the treatment unit (21) being in fluid communication with the input line (10), the treatment unit (21) including a second fluid outlet (25) and said outlet 25 is in fluid communication with the second chamber (28) of the treatment unit (21); the second outlet (25) of the treatment unit (21) being in fluid communication with a first waste liquid discharge line (30).

Fig.5